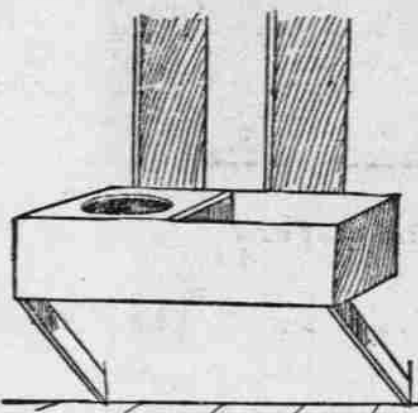




### FEED CRIB FOR CALVES.

An Excellent Plan for Dairy Farms When the Young Animals Are Confined in Pens.

Where calves are confined in pens the plan shown in the cut for feeding and watering will be found convenient. Two silos are cut in the side of the pen, each just wide enough to admit the calf's head. In front of these is a box fitted with a division, one end being fitted to receive a pail



FEED CRIB FOR CALVES.

while the other is open to receive grain or hay. For older calves that are hitched in stalls the same plan is useful. In this case the box in front could be continuous, having divisions as shown in front of each stall, with similar openings for the youngsters' heads. The calves could be tied to a stanchion behind the openings. Such a plan permits leaving a pail of water constantly before the calf, a desirable feature in the care of young stock, as they need to drink more frequently than older animals.—N. Y. Tribune.

### MILKING BY MACHINERY.

A Problem That May Well Engage the Thought and Ingenuity of Dairy Engineers.

One of the reasons stated in the reports from creameries as to the reason of the decrease in the production of milk was the fact that farm help that should and could milk was so hard to get; that farmers were reducing their dairies, getting along with as little help as possible, with only their own immediate family, and therefore the number of cows that were being milked is gradually being lessened. Within the past ten years there have been devised and talked of through the dairy press "milk machines." That any of these have been practical and come into general use is not a fact, but that a demand exists for a milk machine that will do the work properly, right and at a reasonable cost, is also a fact that is believed by a great many interested in the dairy industry. There is usually action among practical mechanics, that when the world needs an improvement in machinery, some inventor finds it out. Finds the way to do it.

So with this great need of a milk machine to keep the dairy industry in line, to increase the amount of milk that will be placed upon the market whether in the shape of a raw product or finished, we have faith that some inventor will out of the many plans that have been devised, perfect a milk machine and will do the work sufficiently well to bring it into general use.

Our dairy engineers may well take up this problem and give it their thought and attention, so that we may expect in the future something in this line that will be up to the needed requirements.—National Rural.

### COLOR OF THE SKIN.

It Really Indicates Nothing Although Some Buyers of Cows Pay Attention to It.

The color of a cow's skin is a thing that counts for much in the estimation of many purchasers of dairy cows. Especially in the case of the Jersey it is believed that a yellow skin indicates much yellow in the milk in the way of cream. But when we get down to reality and away from fancy we are compelled to acknowledge that the yellowness of skin indicates nothing, and that color of the skin does not denote high breeding. Some of the best Jerseys have skin that is nearer white than yellow. There may indeed be a connection between the color of the skin and the color of the milk, but there is none between the color of the skin and the amount of butter fat in the milk. There is, however, a value in a yellow skin as well as in a yellow butter, because people have a fancy for the yellow color in both, and are willing to pay more for a cow that has a yellow skin than for a cow with a white skin. For this reason it is best to breed in the color where it can be done without sacrificing something else.—Farmers' Review.

**Importance of Cleanliness.** Taints are too often the cause of low quality in butter and cheese. If a creamery or cheese factory have in its vicinity open ditches containing stagnant water, the breezes and flies will bring into the product of such place enough of the odor of the stagnant water to greatly deteriorate the quality of the goods being made. Then, too, perhaps taints are blown from further distance than we are wont to believe; our nostrils may not be acute enough to tell us of all that come in at the factory windows. Bitch organisms are great consumers of our profits, and they must be met at the frontier and kept out of the domain of the cheese maker and the butter maker.—Farmers' Review.

**Birds as Insect Destroyers.** The spraying of plants destroys not only injurious insects, but also the parasites that prey upon the insects, with the effect of diminishing the number of parasites which perform excellent service. Those who destroy the birds are largely responsible for this condition of affairs, for as the birds become fewer the farmer's work of destruction becomes more difficult.

### COMMERCIAL ORCHARDS.

Wherever They Are Conducted as Business Principles They Are a Paying Investment.

There are two causes that probably more than all other things have made apple growing in different localities seem unprofitable. One is the failure to grow a sufficiently large acreage to sell to the best advantage. To give the shipper a profit apples must be handled in large quantities—not less than carloads, and several carloads make it still better.

Buyers will go into any locality where several carloads can be purchased and will pay fair prices for good fruit. A little investigation will usually show that where prices are very low either the quantity was such that a carload could not be secured or there was such a large number of varieties as to spoil the sale. Here is where many have made a mistake. They have planted a sufficient acreage to supply a sufficient quantity, but at the same time planted such a large number of varieties as to spoil the sale.

As in other lines of farming and fruit growing we are learning by experience, and it is proposed now to form fruit-growing associations. In a given locality a number of farmers form an organization and agree to plant so many acres each so that in the aggregate several hundred acres of not more than three or four varieties will be planted. A very considerable saving can in this way be made in purchasing the trees, and by meeting and giving their experiences the better plan of setting out, cultivating, and caring for can be ascertained.

When the trees come into bearing they can be sold to much better advantage in every way, while by distributing the crop among a considerable number of farmers the risk of serious loss is reduced to a minimum. Where this plan has been tried good profits have been realized. One man in a locality growing a few acres and especially of mixed varieties could not under present conditions make a profit unless the circumstances were unusually favorable.—N. J. Shepherd in Farmers' Voice.

### HANDY WATERING TANK.

An Arrangement for Barnyard or Roadside Which Has Several Important Advantages.

The illustration explains a convenient way of arranging a water tank either for the barnyard or roadside which has advantages over the ordinary trough. Iron-hooped barrels, not too large size, are sawed in two at the middle, an set on a broad plank. A 2x4 scantling is notched to fit outside



WATERING TANK.

of the barrels and bolted on each side of the plank. The scantlings hold half-barrels secure on plank. Two pieces of pipe of any size large enough to reach from one barrel to the other, are used to connect the half-barrels at bottom. The middle (or any one of the outside barrels) may be three or four inches higher than the rest, and water being conducted into it by gravity or pumping circulates to all three of the barrels, and with a stream of reasonable strength, will never become stagnant. Sometimes when two horses are being watered at an ordinary tank one of them does not care to drink, but will splash and muddy the water, rendering it unfit for the other animal. This is prevented with tanks arranged in the manner described. It is a good plan to give the barrels a coat of tar on the inside.—J. G. Allshouse, in Ohio Farmer.

**Care of Milk in Summer.** Assistant Dairyman H. E. Van Norman, of the Indiana experiment station, is the author of an instructive bulletin on the "Summer Care of Milk and Cream." He advises thorough cleanliness in and about the dairy while handling the milk and cream, and particularly while milking. Cows usually have much dust and particles of manure in their hair, next his work this germ-laden dust falls into the milk. It is estimated that 5,000 bacteria fall into the milk from an unwashed udder as compared with 90 when the udder is washed just before milking. In spite of the best efforts some bacteria will get into the milk, and this makes it necessary to cool the milk as quickly as possible to 50 degrees or below. Cooled to 45 degrees the bacteria in the milk are inactive.

**No Cure for Peach Yellows.** Yellows is a highly contagious, incurable disease of the peach. Trees infected with it should be destroyed at the earliest possible moment by uprooting and digging them out and burning roots, trunk and branches, including fruit, on site. No remedy save that has proven successful. Dragging diseased trees or branches through an orchard will infect healthy trees. Late summer and fall are the most favorable times for detection of yellows by symptoms of fruit and twigs. These are: 1. Premature ripening of the fruit, which is highly colored and spotted and has the flesh marbled with red. 2. Premature unfolding of winter buds. 3. Abnormal development of new buds in the trunk and branches, which grow into slender, sickly-looking shoots.

**Proper Care of Flower Beds.** The plants in flower beds are usually too thick in the plants. It will be found of advantage to give each plant plenty of room, and when the lawn is mowed the short, dry grass may be used for the purpose of mulching the flower plants. Give sweet peas wire netting on which to climb. Pansies will thrive well in the sun, contrary to the claim that they must be grown in a shady place. All manure for flowers must be fine and decomposed. What is known as compost is better. Some plants will be destroyed if fresh manure is used around them.

### Wireless Telegraphy.

Regardless of weather conditions the wireless telegraph is working steadily over a distance of 22 miles across the channel between Dover and Boulogne. The whole apparatus is on a table three feet square. When the operator touches the transmitting key a spark three-fourths of an inch long is sent into space from the tall vertical pole outside the building. The instrument on the other side of the channel reads the message instantly and with perfect accuracy. Throughout a whole day communication has been carried on without an error, at the rate of 15 words a minute, the action of the key being somewhat prolonged. The French government is taking great interest in the system.—Cleveland Plain Dealer.

**Empress Elizabeth's Birthplace.** There has been any amount of discussion in the royal families of Hapsburg as to the real birthplace of the late empress of Austria. It has been supposed for many years that she was born in Posenhofen, Bavaria, and the genealogical court calendar of Gotha has confirmed this belief. The Bavarian Reichs-Herald, however, stated in a recent number that careful research showed that Empress Elizabeth was born in the ducal palace in Munich on December 24, 1837. This was considered authentic by the royal family and accordingly the inscription on the sarcophagus of the empress has been corrected.—N. Y. Sun.

**Monster Lake of Beer.** The beer which is consumed throughout the world in a single year would make a lake 6 feet deep, 34 miles long, or 2,310 acres in area. In this vast lake of beer we could easily drown all the English-speaking people to the number of 120,000,000, throughout the entire world; or we could give a beer bath to every man, woman and child at the same time in the entire continent of America, while all the peoples of England, Scotland, Ireland and France could find standing room on its bed.—Cincinnati Enquirer.

**Would Not Be Investigated.** "You ask me," said the captured pirate, "how many vessels I have robbed and scuttled on the Spanish main?" "I do," said the captain of the warship.

"Then," said the haughty prisoner, "in the first place, I won't answer no questions about my personal business; and, besides, I disremember. See?"—Puck.

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### THE MARKETS.

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CATTLE—Native Steers.....	4 50 5 75
COTTON—Middling.....	10 10 10 10
WHEAT—No. 2 Red.....	75 10 75 10
WHEAT—No. 2 White.....	75 10 75 10
CORN—No. 2.....	25 10 25 10
PORK—Mess New.....	12 75 12 75
ST. LOUIS.	
COTTON—Middling.....	10 10 10 10
BEEVES—Steers.....	4 75 4 75
COWS AND HEIFERS.....	4 00 4 00
CALVES—(per 100).....	5 00 5 00
HOGS—Fair to Choice.....	3 50 3 50
SHEEP—Fair to Choice.....	3 50 3 50
WHEAT—No. 2 Red.....	75 10 75 10
CORN—No. 2.....	25 10 25 10
RYE—No. 2.....	25 10 25 10
BARLEY—No. 2.....	25 10 25 10
WHEAT—No. 2.....	75 10 75 10
CORN—No. 2.....	25 10 25 10
RYE—No. 2.....	25 10 25 10
BARLEY—No. 2.....	25 10 25 10
CHICAGO.	
CATTLE—Native Steers.....	4 75 4 75
COWS AND HEIFERS.....	4 00 4 00
CALVES—(per 100).....	5 00 5 00
HOGS—Fair to Choice.....	3 50 3 50
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WHEAT—No. 2 Red.....	75 10 75 10
CORN—No. 2.....	25 10 25 10
RYE—No. 2.....	25 10 25 10
BARLEY—No. 2.....	25 10 25 10
KANSAS CITY.	
CATTLE—Native Steers.....	4 75 4 75
COWS AND HEIFERS.....	4 00 4 00
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BARLEY—No. 2.....	25 10 25 10
LOUISVILLE.	
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### IT'S ALL IN A NAME.

One Reason Why the Conservative Negro Whitewasher Lost His Occupation.

"What's in a name?" asked Shakespeare. Everything, may be answered, and no one has made the answer more plain to the ordinary mortal than Booker T. Washington, the noted colored orator, says the Chicago Times-Herald. While lecturing in Omaha last winter he paused in the midst of his remarks and asked:

"How many negro boys in Omaha are learning a mechanical trade?" And from the vast audience came the reply: "Not one."

Then Mr. Washington proceeded to tell the negro boys what they should do. The old colored man with his brush and pail of whitewash once made a good living. But he was a whitewasher. The first thing he knew a white man came along with an assortment of brushes and several colors of wash under fancy names. The white man called himself an "interior decorator" and the old colored man's job was gone forever.

"You negro boys," continued Mr. Washington, "must become interior decorators, for the whitewashing job is done."

**The Unheard-Of Expected.** "George, what does a presidential candidate do when he receives the committee to name the date for the election?"

"Oh, he acts just like a girl who gets a proposal which she has been staying awake of nights looking for."—Indianapolis Journal.

If you want a chill remedy, buy one that is reliable. Tasteless Tonics are not made right, the dose is uncertain. Try Yucatan Chill Tonic (improved). Price, 50 cents.

"Have your summer vacation plans matured yet, Billy?" "Oh, yes; but they had to be side-tracked on account of some summer notes that also matured."—Indianapolis Journal.

I am sure Piso's Cure for Consumption saved my life three years ago.—Mrs. Thos. Robbins, Maple Street, Norwich, N. Y., Feb. 17, 1900.

Max O'Rell says Paris is so fast that they use quicksand in the hour glasses! Max is a dizzy joker, but time flies all the same.

**To Cure a Cold in One Day.** Take Laxative Eucalypti Tablets. All druggists refund money if it fails to cure. 25c.

If a man is industrious and frugal, he can acquire a good deal of money without knowing much else.—Aitchison Globe.

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When a preparation has an advertised reputation it is world-wide, it means that preparation is meritorious. If you go into a store to buy an article that has achieved universal popularity like Cascarets Candy Cathartic, for example, you feel it has the endorsement of the world. The judgment of the people is infallible because it is impersonal. The retailer who wants to sell you "something else" in place of the article you ask for, has an axe to grind. Don't it stand to reason? He's trying to sell something that is not what he represents it to be. Why? Because he expects to derive an extra profit out of your credulity. Don't you see through his little game? The man who will try to sell you a substitute for Cascarets is a fraud. Beware of him! He is trying to steal the honestly earned benefits of a reputation which another business man has paid for, and if his conscience will allow him to go so far, he will go farther. If he cheats his customer in one way, he will in another and it is not safe to do business with him. Beware of the Cascarets substitute! Remember Cascarets are never sold in bulk but in metal boxes with the long tailed "C" on every box and each tablet stamped C. C. C.

**The Sent of War.** "My husband is so nice about explaining these war terms to me, I know I aggravate him awfully, too, sometimes. Why, only think, I had to ask him this morning what the seat of war was for?"

"Wasn't it foolish? But he's so patient. The idea that I didn't have sense enough to see that it is for the standing army to use when it gets tired!"—Chicago Inter Ocean.

**"Pleasant Ways For Summer Days."** Is the title of the Grand Trunk Railway System's new Summer Tourist Folder which together with other descriptive literature can be had on application to J. H. Burgess, City Passenger and Ticket Agent, 249 Clark St., corner Jackson Boulevard, Chicago.

**An Emergency.** Assistant—The Irish stew has burned. Chef—Well, put some spice in it and add "A la Francise" to its name on the menu.—Puck.

**The Best Prescription for Chills and Fever** is a bottle of GUY'S TASTELSS CHILL TONIC. It is a simply iron and quinine in tasteless form. No cure—no pay. Price, 50c.

A man smoking a cigarette boarded a Union traction car, and a woman handed him an anti-cigarette tract. "Thank you, ma'am," said he. "I'll take it home to my son."—Munice Star.

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OFFETT, M. D., ST. LOUIS, MO.

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# ENNE PLANT

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Bus, Diarrhoea, Dysentery  
FAILS! In the market  
leading Physicians. Used  
all Druggists.  
**CINE CO., St. Louis, Mo.**

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